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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/519,728DATE: 03/27/2000
TIME: 15:41:54

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This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Weintraub, Bruce D.
2 Szkudlinski, Mariusz
3 <120> TITLE OF INVENTION: MUTANTS OF THYROID STIMULATING HORMONE
4 AND METHODS BASED THEREON
5 <130> FILE REFERENCE: UOFGMD.002C1
6 <140> CURRENT APPLICATION NUMBER: US/09/519,728
7 <141> CURRENT FILING DATE: 2000-03-03
8 <150> EARLIER APPLICATION NUMBER: 60/135,505
9 <151> EARLIER FILING DATE: 1998-09-17
10 <150> EARLIER APPLICATION NUMBER: 08/939,472
11 <151> EARLIER FILING DATE: 1997-09-22
12 <160> NUMBER OF SEQ ID NOS: 4
13 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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15 <211> LENGTH: 91
16 <212> TYPE: PRT
17 <213> ORGANISM: Homo sapiens
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21 Phe Phe Ser Gln Pro Gly Ala Pro Ile Leu Gln Cys Met Gly Cys Cys
22 20 25 30
23 Phe Ser Arg Ala Tyr Pro Thr Pro Leu Arg Ser Lys Lys Thr Met Leu
24 35 40 45
25 Val Gln Lys Asn Val Ser Glu Ser Thr Cys Cys Val Ala Lys Ser Tyr
26 50 55 60
27 Asn Arg Val Thr Val Met Gly Gly Phe Lys Val Glu Asn His Thr Ala
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29 Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser
30 85 90
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32 <211> LENGTH: 118
33 <212> TYPE: PRT
34 <213> ORGANISM: Homo sapien
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38 Ala Tyr Cys Leu Thr Ile Asn Thr Thr Ile Cys Ala Gly Tyr Cys Met
39 20 25 30
40 Thr Arg Asp Ile Asn Gly Lys Leu Phe Leu Pro Lys Tyr Ala Leu Ser
41 35 40 45
42 Gln Asp Val Cys Thr Tyr Arg Asp Phe Ile Tyr Arg Thr Val Glu Ile
43 50 55 60
44 Pro Gly Cys Pro Leu His Val Ala Pro Tyr Phe Ser Tyr Pro Val Ala

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45 65 70 75 80
 46 Leu Ser Cys Lys Cys Gly Lys Cys Asn Thr Asp Tyr Ser Asp Cys Ile
 47 85 90 95
 48 His Glu Ala Ile Lys Thr Asn Tyr Cys Thr Lys Pro Gln Lys Ser Tyr
 49 100 105 110
 50 Leu Val Gly Phe Ser Val
 51 115
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 53 <211> LENGTH: 530
 54 <212> TYPE: DNA
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 57 <221> NAME/KEY: CDS
 58 <222> LOCATION: (86)...(520)
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 61 gctgagcatg ggcgggacat gggca tcc aag gag ccg ctt ccg cca ccg tgc 112
 62 Ser Lys Glu Pro Leu Arg Pro Arg Cys
 63 1 5
 64 cgc ccc atc aat gcc acc ctg gct gtg gag aag gag ggc tgc ccc gtg 160
 65 Arg Pro Ile Asn Ala Thr Leu Ala Val Glu Lys Glu Gly Cys Pro Val
 66 10 15 20 25
 67 tgc atc acc gtc aac acc acc atc tgt gcc ggc tac tgc ccc acc atg 208
 68 Cys Ile Thr Val Asn Thr Thr Ile Cys Ala Gly Tyr Cys Pro Thr Met
 69 30 35 40
 70 acc cgc gtg ctg cag ggg gtc ctg ccg gcc ctg cct cag gtg gtg tgc 256
 71 Thr Arg Val Leu Gln Gly Val Leu Pro Ala Leu Pro Gln Val Val Cys
 72 45 50 55
 73 aac tac cgc gat gtg cgc ttc gag tcc atc ccg ctc cct ggc tgc ccg 304
 74 Asn Tyr Arg Asp Val Arg Phe Glu Ser Ile Arg Leu Pro Gly Cys Pro
 75 60 65 70
 76 cgc ggc gtg aac ccc gtg gtc tcc tac gcc gtg gct ctc agc tgt caa 352
 77 Arg Gly Val Asn Pro Val Val Ser Tyr Ala Val Ala Leu Ser Cys Gln
 78 75 80 85
 79 tgt gca ctc tgc cgc agc acc act gac tgc ggg ggt ccc aag gac 400
 80 Cys Ala Leu Cys Arg Arg Ser Thr Thr Asp Cys Gly Gly Pro Lys Asp
 81 90 95 100 105
 82 cac ccc ttg acc tgt gat gac ccc cgc ttc cag gac tcc tct tcc tca 448
 83 His Pro Leu Thr Cys Asp Asp Pro Arg Phe Gln Asp Ser Ser Ser
 84 110 115 120
 85 aag gcc cct ccc ccc agc ctt cca agc cca tcc cga ctc ccg ggg ccc 496
 86 Lys Ala Pro Pro Pro Ser Leu Pro Ser Pro Ser Arg Leu Pro Gly Pro
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 89 Ser Asp Thr Pro Ile Leu Pro Gln
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 92 <211> LENGTH: 9
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Homo sapien

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RAW SEQUENCE LISTING
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95 <400> SEQUENCE: 4
96 tcaatccgc

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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text

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PREVIOUSLY ERRORRED SEQUENCES-EDITED

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2 <211> 9
3 <212> DNA
4 <213> Homo sapien
5 <400> 4
6 tcaatccgc
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